



PROJECT: Chicagoland Underflow Plan - McCook Reservoir

AUTHORIZATION: WRDA 1988

TYPE: Construction General - Flood Damage Reduction

PROJECT DESCRIPTION: The project authorized by Congress in 1988 involves construction of a 10.5 billion gallon reservoir. The approved Special Re-evaluation Report/Environmental Impact Statement recommended a 7 billion gallon open pit reservoir in the existing Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) solids processing lagoons. Major components include the overburden cutoff wall, distribution tunnels, main tunnels, dewatering pumps, gates, valves, hydraulic structures, aquifer protection, an aeration system and a washdown system.

CURRENT STATUS: The Special Re-Evaluation Report and Environmental Impact Statement was completed in and the ROD signed in May 99. Recommendation is the open pit lagoons plan (stages 1 & 2). The Design Documentation Report was completed in November 99. The Project Cooperation Agreement was signed by the local sponsor and the Assistant Secretary of the Army for Civil Works on May 10, 1999. Feature Design Documentation Reports and P&S are being prepared. The first construction contract is ongoing - construction of the stage 1 overburden cutoff wall.

FY 01 WORK:

- Federal work allowance is \$4.200 million; local cash contribution received is \$1.625 million
- Complete construction of groundwater cutoff wall
- Continue detailed model testing of tunnels, inlet structures and hydraulic features
- Complete plans and specifications for pumps & advertise procurement
- Complete plans and specifications for distribution tunnels/gates/valves & if funded, award contract
- Complete plans and specifications for groundwater protection Test Grout & award Test Grout contract
- Initiate AE contract for plans and specifications for main tunnels/gates/valves
- Continue aeration and groundwater feature design documentation reports

FY 02 WORK:

- Award Pump construction contract
- Continue Test Grout construction contract
- Complete plans and specifications for main tunnels
- Continue E&D work on feature design documentation reports and plans & specifications

PROJECT COSTS:

- Total Project Cost \$516,000,000
- Federal Cost \$387,000,000
- Non-Federal Cost \$129,000,000

PROJECT COMPLETION: September 2012

LOCAL SPONSOR: Metropolitan Water Reclamation District of Greater Chicago (MWRDGC)

ISSUES/CONCERNS: The construction of the stage 1 overburden cutoff wall is temporarily halted. Chicago District is evaluating contractor's proposal to RFP to construct 150-foot demonstration section of cutoff wall with key into bedrock.